# **Appendix 6-C (Energy Chapter) Pollution Generation Reports**

POLLUTION GENERATED--SUMMARY REPORT FOR All Previously Selected Stage(s)

Product: Solvent

Unit-of-Use: Press Speed 453 fpm Product Life: 6000 sq ft processed

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1. Pollution Generated per Unit-of-Use of product-by Pollution Category and by Medium

| Pollution prevented for: | All<br>Media |    | Water | _ | Soil/<br>Grdwater | Air     | Indoor<br>Air |
|--------------------------|--------------|----|-------|---|-------------------|---------|---------------|
| Overall environment      | 11. I        | Kg | 5.2   | g | 630. g            | 10. Kg( |               |
| Human health impacts     | 87.          | g  |       |   |                   | 87. g(  |               |
| Use impairment impacts   | 10. H        | Kg | 5.2   | g |                   | 10. Kg( |               |
| Disposal cap'cty impacts | 630.         | g  |       |   | 630. g            |         |               |

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Product: Solvent

Unit-of-Use: Press Speed 453 fpm Product Life: 6000 sq ft processed

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2. Pollution Generated per Unit-of-Use of product-by Pollution Category, by Pollutant and by Medium

|                           | All   |    |      |   | Soil  |   | 7.  |      | Indoor  |
|---------------------------|-------|----|------|---|-------|---|-----|------|---------|
| Pollution prevented for:  | Media |    | Wate |   | Grdwa |   | Air |      | Air<br> |
| *Overall environment      | 11.   | Kg | 5.2  | g | 630.  | g | 10. | Kg ( |         |
| Carbon dioxide            | 10.   | Kg |      |   |       |   | 10. | Kg ( |         |
| Carbon monoxide           | 9.6   | g  |      |   |       |   | 9.6 | g(   |         |
| Dissolved solids          | 1.4   | g  | 1.4  | g |       |   |     |      |         |
| Hydrocarbons              | 60.   | g  |      |   |       |   | 60. | g(   |         |
| Nitrogen oxides (NOx)     | 29.   | g  |      |   |       |   | 29. | g(   |         |
| Particulates              | 8.8   | g  |      |   |       |   | 8.8 | g(   |         |
| Solid wastes              | 630.  | g  |      |   | 630.  | g |     |      |         |
| Sulfur oxides (SOx)       | 48.   | g  |      |   |       |   | 48. | g(   |         |
| Sulfuric acid             | 3.8   | g  | 3.8  | g |       |   |     |      |         |
|                           | 0.7   |    |      |   |       |   | 0.7 | ,    |         |
| *Human health impacts     | 87.   | g  |      |   |       |   | 87. | g (  |         |
| Carbon monoxide*          | 9.6   | g  |      |   |       |   | 9.6 | ٠, ١ |         |
| Nitrogen oxides (NOx)     | 29.   | g  |      |   |       |   | 29. |      |         |
| Sulfur oxides (SOx)       | 48.   | g  |      |   |       |   | 48. | g (  |         |
| *Use impairment impacts   | 10.   | Kg | 5.2  | g |       |   | 10. | Kg ( |         |
| Carbon dioxide            | 10.   | Kg |      |   |       |   | 10. | Kg ( |         |
| Carbon monoxide           | 9.6   | g  |      |   |       |   | 9.6 | g(   |         |
| Dissolved solids          | 1.4   | g  | 1.4  | g |       |   |     |      |         |
| Hydrocarbons              | 60.   | g  |      |   |       |   | 60. | g(   |         |
| Nitrogen oxides (NOx)     | 29.   | g  |      |   |       |   | 29. | g(   |         |
| Particulates              | 8.8   | g  |      |   |       |   | 8.8 | g(   |         |
| Sulfur oxides (SOx)       | 48.   | g  |      |   |       |   | 48. | g(   |         |
| Sulfuric acid             | 3.8   | g  | 3.8  | g |       |   |     |      |         |
| *Disposal cap'cty impacts | 630.  | q  |      |   | 630.  | q |     |      |         |
| Solid wastes              | 630.  | g  |      |   | 630.  | g |     |      |         |
|                           |       | -  |      |   |       | - |     |      |         |

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Product: Solvent

Unit-of-Use: Press Speed 453 fpm Product Life: 6000 sq ft processed

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3. Pollution Generated per Unit-of-Use of product-by Pollution Category, Pollutant Class, and Pollutant for Overall Environment

| Pollution<br>Category      |            | Pollutant<br>Class        | Amount<br>Prevente | d  | Pollutant   | Amount<br>Prevented | l<br>       |
|----------------------------|------------|---------------------------|--------------------|----|---|---------------------|-------------|
| Human<br>Health<br>impacts | /          | Toxic Inorganics          | 77.                | g  | Nitrogen oxides (NOx) Sulfur oxides (SOx)                     | 29.<br>48.          | g<br>g      |
| Impaooo                    |            | Toxic Organics            | 9.6                | g  | Carbon monoxide   | 9.6                 | g           |
|                            | /          | Acid Rain Precursors      | 77.                | g  | Nitrogen oxides (NOx) Sulfur oxides (SOx)                     | 29.<br>48.          | đ           |
|                            |            | Corrosives                | 81.                | g  | Nitrogen oxides (NOx)<br>Sulfur oxides (SOx)<br>Sulfuric acid | 29.<br>48.<br>3.8   | a<br>a      |
| Use                        |            | Dissolved Solids          | 5.2                | g  | Dissolved solids Sulfuric acid                                | 1.4                 | a<br>a      |
| impairment impacts         | <br> <br>  | Global Warmers            | 10.                | Kg | Carbon dioxide<br>Nitrogen oxides (NOx)                       | 10.<br>29.          | Kg<br>g     |
|                            |            | Odorants                  | 60.                | g  | Hydrocarbons  | 60.                 | g           |
|                            |            | Particulates Smog Formers | 8.8<br>99.         | g  | Particulates  | 8.8                 | g           |
|                            |            | Smog Formers              | 99.                | g  | Carbon monoxide<br>Hydrocarbons<br>Nitrogen oxides (NOx)      | 9.6<br>60.<br>29.   | a<br>a<br>a |
| Disposal capacity impacts  | /<br> <br> | Solid Wastes              | 630.               | g  | Solid wastes  | 630.                | g           |

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Product: Solvent

Unit-of-Use: Press Speed 500 fpm
Product Life: 6000 sq ft processed

1. Pollution Generated per Unit-of-Use of productby Pollution Category and by Medium

| Pollution prevented for: | All<br>Media | Water | Soil/<br>Grdwater | Air<br> | Indoor<br>Air |
|--------------------------|--------------|-------|-------------------|---------|---------------|
| Overall environment      | 10. Kg       | 4.7 g | 570. g            | 9.5 Kg( |               |
| Human health impacts     | 7.9 g        | ī     |                   | 79. g(  |               |
| Use impairment impacts   | 9.5 Kg       | 4.7 g |                   | 9.5 Kg( |               |
| Disposal cap'cty impacts | 570. g       | ſ     | 570. g            |         |               |

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Product: Solvent

Unit-of-Use: Press Speed 500 fpm
Product Life: 6000 sq ft processed

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2. Pollution Generated per Unit-of-Use of product by Pollution Category, by Pollutant and by Medium

|                           | All   |    |      |       | Soil   |     |     |      | Indoor  |
|---------------------------|-------|----|------|-------|--------|-----|-----|------|---------|
| Pollution prevented for:  | Media | _  | Wate | r<br> | Grdwat | ter | Air |      | Air<br> |
| *Overall environment      | 10.   | Kg | 4.7  | g     | 570.   | g   | 9.5 | Kg ( |         |
| Carbon dioxide            | 9.4   | Kg |      |       |        |     | 9.4 | Kg ( |         |
| Carbon monoxide           | 8.7   | g  |      |       |        |     | 8.7 | g(   |         |
| Dissolved solids          | 1.3   | g  | 1.3  | g     |        |     |     |      |         |
| Hydrocarbons              | 55.   | g  |      |       |        |     | 55. | g(   |         |
| Nitrogen oxides (NOx)     | 26.   | g  |      |       |        |     | 26. | g(   |         |
| Particulates              | 8.0   | g  |      |       |        |     | 8.0 | g(   |         |
| Solid wastes              | 570.  | g  |      |       | 570.   | g   |     |      |         |
| Sulfur oxides (SOx)       | 44.   | g  |      |       |        |     | 44. | g(   |         |
| Sulfuric acid             | 3.4   | g  | 3.4  | g     |        |     |     |      |         |
| *Human health impacts     | 79.   | q  |      |       |        |     | 79. | g (  |         |
| Carbon monoxide           | 8.7   | g  |      |       |        |     | 8.7 | g (  |         |
| Nitrogen oxides (NOx)     | 26.   | g  |      |       |        |     | 26. | g(   |         |
| sulfur oxides (SOx)       | 44.   | g  |      |       |        |     | 44. | g (  |         |
| *Use impairment impacts   | 9.5   | Kg | 4.7  | g     |        |     | 9.5 | Kg ( |         |
| Carbon dioxide            | 9.4   | Kg |      |       |        |     | 9.4 | Kg ( |         |
| Carbon monoxide           | 8.7   | g  |      |       |        |     | 8.7 | g(   |         |
| Dissolved solids          | 1.3   | g  | 1.3  | g     |        |     |     |      |         |
| Hydrocarbons              | 55.   | g  |      |       |        |     | 55. | g(   |         |
| Nitrogen oxides (NOx)     | 26.   | g  |      |       |        |     | 26. | g(   |         |
| Particulates              | 8.0   | g  |      |       |        |     | 8.0 | g(   |         |
| Sulfur oxides (SOx)       | 44.   | g  |      |       |        |     | 44. | g(   |         |
| Sulfuric acid             | 3.4   | g  | 3.4  | g     |        |     |     |      |         |
| *Disposal cap'cty impacts | 570.  | g  |      |       | 570.   | g   |     |      |         |
| Solid wastes              | 570.  | g  |      |       | 570.   | g   |     |      |         |

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Product: Solvent

Unit-of-Use: Press Speed 500 fpm Product Life: 6000 sq ft processed

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3. Pollution Generated per Unit-of-Use of product-by Pollution Category, Pollutant Class, and Pollutant for Overall Environment

| Pollution<br>Category      | <br>           | Pollutant<br>Class   | Amount<br>Prevente | d<br>- | Pollutant   | Amount<br>Prevented     |
|----------------------------|----------------|----------------------|--------------------|--------|---|-------------------------|
| Human<br>Health<br>impacts | /<br> <br>     | Toxic Inorganics     | 70.                | g      | Nitrogen oxides (NOx) Sulfur oxides (SOx)                     | 26. g<br>44. g          |
| •                          | 1              | Toxic Organics       | 8.7                | g      | Carbon monoxide   | 8.7 g                   |
|                            | /              | Acid Rain Precursors | 70.                | g      | Nitrogen oxides (NOx)   | 26. g                   |
|                            | <br>           | Corrosives           | 73.                | g      | Sulfur oxides (SOx)   | 44. g                   |
|                            |                |                      |                    |        | Nitrogen oxides (NOx)<br>Sulfur oxides (SOx)<br>Sulfuric acid | 26. g<br>44. g<br>3.4 g |
|                            |                | Dissolved Solids     | 4.7                | g      | Dissolved solids Sulfuric acid                                | 1.3 g                   |
| Use impairment impacts     |                | Global Warmers       | 9.4                | Kg     | Carbon dioxide  | 3.4 g<br>9.4 Kg         |
|                            |                | Odorants             | 55.                | g      | Nitrogen oxides (NOx) Hydrocarbons                            | 26. g<br>55. g          |
|                            |                | Particulates         | 8.0                | g      | Particulates  | 8.0 g                   |
|                            | <br> <br> <br> | Smog Formers         | 90.                | g      | Carbon monoxide<br>Hydrocarbons<br>Nitrogen oxides (NOx)      | 8.7 g<br>55. g<br>26. g |
| Disposal capacity impacts  | /<br> <br>     | Solid Wastes         | 570.               | g      | Solid wastes  | 570. g                  |

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Product: Water

Unit-of-Use: Press Speed 500 fpm
Product Life: 6000 sq ft processed

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1. Pollution Generated per Unit-of-Use of product- by Pollution Category and by Medium  $\,$ 

| Pollution prevented for: | All<br>Media | _  | Water | :<br> | Soil,<br>Grdwat |   | Air |      | Indoor<br>Air |
|--------------------------|--------------|----|-------|-------|-----------------|---|-----|------|---------------|
| Overall environment      | 6.8          | Kg | 2.8   | g     | 340.            | g | 6.5 | Kg ( |               |
| Human health impacts     | 48.          | g  |       |       |                 |   | 48. | g(   |               |
| Use impairment impacts   | 6.5          | Kg | 2.8   | g     |                 |   | 6.5 | Kg ( |               |
| Disposal cap'cty impacts | 340.         | g  |       |       | 340.            | g |     |      |               |

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Product: Water

Unit-of-Use: Press Speed 500 fpm Product Life: 6000 sq ft processed

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2. Pollution Generated per Unit-of-Use of product by Pollution Category, by Pollutant and by medium

|                           | All   |    |       |   | Soil   | /  |     |      | Indoor |
|---------------------------|-------|----|-------|---|--------|----|-----|------|--------|
| Pollution prevented for:  | Media |    | Water |   | Grdwat | er | Air | •    | Air    |
|                           |       |    |       |   |        |    |     |      |        |
|                           |       |    |       |   |        |    |     |      |        |
| *Overall environment      | 6.8   | Kg | 2.8   | g | 340.   | g  | 6.5 | Kg ( |        |
| Carbon dioxide            | 6.4   | Kg |       |   |        |    | 6.4 | Kg ( |        |
| Carbon monoxide           | 5.5   | g  |       |   |        |    | 5.5 | g(   |        |
| Dissolved solids          | 0.81  | g  | 0.81  | g |        |    |     |      |        |
| Hydrocarbons              | 41.   | g  |       |   |        |    | 41. | g(   |        |
| Nitrogen oxides (NOx)     | 16.   | g  |       |   |        |    | 16. | g (  |        |
| Particulates              | 4.8   | g  |       |   |        |    | 4.8 | g(   |        |
| Solid wastes              | 340.  | g  |       |   | 340.   | g  |     |      |        |
| Sulfur oxides (SOx)       | 26.   | g  |       |   |        |    | 26. | g(   |        |
| Sulfuric acid             | 2.0   | g  | 2.0   | g |        |    |     |      |        |
| *Human health impacts     | 48.   | g  |       |   |        |    | 48. | g(   |        |
| Carbon monoxide           | 5.5   | g  |       |   |        |    | 5.5 | g(   |        |
| Nitrogen oxides (NOx)     | 16.   | g  |       |   |        |    | 16. | g(   |        |
| Sulfur oxides (SOx)       | 26.   | g  |       |   |        |    | 26. | g(   |        |
|                           |       |    |       |   |        |    |     |      |        |
| *Use impairment impacts   | 6.5   | Kg | 2.8   | g |        |    | 6.5 | Kg ( |        |
| Carbon dioxide            | 6.4   | Kg |       |   |        |    | 6.4 | Kg ( |        |
| Carbon monoxide           | 5.5   | g  |       |   |        |    | 5.5 | g(   |        |
| Dissolved solids          | 0.81  | g  | 0.81  | g |        |    |     |      |        |
| Hydrocarbons              | 41.   | g  |       |   |        |    | 41. | g(   |        |
| Nitrogen oxides (NOx)     | 16.   | g  |       |   |        |    | 16. | g(   |        |
| Particulates              | 4.8   | g  |       |   |        |    | 4.8 | g(   |        |
| Sulfur oxides (SOx)       | 26.   | g  |       |   |        |    | 26. | g(   |        |
| Sulfuric acid             | 2.0   | g  | 2.0   | g |        |    |     |      |        |
|                           |       |    |       |   |        |    |     |      |        |
| *Disposal cap'cty impacts | 340.  | g  |       |   | 340.   | g  |     |      |        |
| Solid wastes              | 340.  | g  |       |   | 340.   | g  |     |      |        |

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Product: Water

Unit-of-Use: Press Speed 500 fpm Product Life: 6000 sq ft processed

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3. Pollution Generated per Unit-of-Use of product-by Pollution Category, Pollutant Class, and Pollutant for Overall Environment

| Pollution<br>Category      |            | Pollutant<br>Class        | Amount<br>Prevente | d  | Pollutant   |   | unt<br>ented      |        |
|----------------------------|------------|---------------------------|--------------------|----|---|---|-------------------|--------|
| Human<br>Health<br>impacts | /<br> <br> | Toxic Inorganics          | 43.                | g  | Nitrogen oxides (NOx)<br>Sulfur oxides (SOx)            |   | 16.<br>26.        | g      |
|                            |            | Toxic Organics            | 5.5                | g  | Carbon monoxide   |   | 5.5               | g      |
|                            | /          | Acid Rain Precursors      | 43.                | g  | Nitrogen oxides (NOx) Sulfur oxides (SOx)               |   | 16.<br>26.        | g      |
|                            | <br>       | Corrosives                | 45.                | g  | Nitrogen oxides (NOx) Sulfur oxides (SOx) Sulfuric acid |   | 16.<br>26.<br>2.0 | a<br>a |
| Use                        |            | Dissolved Solids          | 2.8                | g  | Dissolved solids Sulfuric acid                          |   | 0.81              | g<br>g |
| impairment impacts         | <br> <br>  | Global Warmers            | 6.4                | Kg | Carbon dioxide Nitrogen oxides (NOx)                    |   | 6.4<br>16.        | _      |
|                            | 1          | Odorants                  | 41.                | g  | Hydrocarbons  |   | 41.               | g      |
|                            |            | Particulates Smog Formers | 4.8                | g  | Particulates  |   | 4.8               | g      |
|                            |            | Smog Formers              | 03.                | y  | Carbon monoxide Hydrocarbons Nitrogen oxides (NOx)      |   | 5.5<br>41.<br>16. | g<br>g |
| Disposal capacity impacts  | /<br> <br> | Solid Wastes              | 340.               | g  | Solid wastes  | 3 | 40.               | g      |

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Product: Water

Unit-of-Use: Press Speed 394 fpm
Product Life: 6000 sq ft processed

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#### 1. Pollution Generated per Unit-of-Use of product-by Pollution Category and by Medium

| Pollution prevented for: | All<br>Media | Water | Soil/<br>Grdwater | Air<br> | Indoor<br>Air |
|--------------------------|--------------|-------|-------------------|---------|---------------|
| Overall environment      | 8.5 Kg       | 3.5 g | 410. g            | 8.1 Kg( |               |
| Human health impacts     | 60. g        |       |                   | 60. g(  |               |
| Use impairment impacts   | 8.1 Kg       | 3.5 g |                   | 8.1 Kg( |               |
| Disposal cap'cty impacts | 410. g       |       | 410. g            |         |               |

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Product: Water

Unit-of-Use: Press Speed 394 fpm Product Life: 6000 sq ft processed

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2. Pollution Generated per Unit-of-Use of productby Pollution Category, by Pollutant and by Medium

| Pollution prevented for:  | All<br>Media |         | Wate | 2     | Soil<br>Grdwa |              | Air |          | Indoor<br>Air |
|---------------------------|--------------|---------|------|-------|---------------|--------------|-----|----------|---------------|
| *Overall environment      | 8.5          | -<br>Kg | 3.5  | g<br> | 410.          | <b></b><br>g | 8.1 | <br>Kg ( |               |
| Carbon dioxide            | 8.0          | Kg      |      |       |               |              | 8.0 | Kg (     |               |
| Carbon monoxide           | 6.8          | g       |      |       |               |              | 6.8 | g(       |               |
| Dissolved solids          | 1.0          | g       | 1.0  | g     |               |              |     |          |               |
| Hydrocarbons              | 52.          | g       |      |       |               |              | 52. | g(       |               |
| Nitrogen oxides (NOx)     | 20.          | g       |      |       |               |              | 20. | g(       |               |
| Particulates              | 5.9          | g       |      |       |               |              | 5.9 | g(       |               |
| Solid wastes              | 410.         | g       |      |       | 410.          | g            |     |          |               |
| Sulfur oxides (SOx)       | 33.          | g       |      |       |               |              | 33. | g(       |               |
| Sulfuric acid             | 2.5          | g       | 2.5  | g     |               |              |     |          |               |
| *Human health impacts     | 60.          | g       |      |       |               |              | 60. | g(       |               |
| Carbon monoxide           | 6.8          | g       |      |       |               |              | 6.8 | g(       |               |
| Nitrogen oxides (NOx)     | 20.          | g       |      |       |               |              | 20. | g(       |               |
| Sulfur oxides (SOx)       | 33.          | g       |      |       |               |              | 33. | g(       |               |
| *Use impairment impacts   | 8.1          | Kg      | 3.5  | g     |               |              | 8.1 | Kg (     |               |
| Carbon dioxide            | 8.0          | Kg      |      |       |               |              | 8.0 | Kg (     |               |
| Carbon monoxide           | 6.8          | g       |      |       |               |              | 6.8 | g(       |               |
| Dissolved solids          | 1.0          | g       | 1.0  | g     |               |              |     |          |               |
| Hydrocarbons              | 52.          | g       |      |       |               |              | 52. | g(       |               |
| Nitrogen oxides (NOx)     | 20.          | g       |      |       |               |              | 20. | g(       |               |
| Particulates              | 5.9          | g       |      |       |               |              | 5.9 | g(       |               |
| Sulfur oxides (SOx)       | 33.          | g       |      |       |               |              | 33. | g(       |               |
| Sulfuric acid             | 2.5          | g       | 2.5  | g     |               |              |     |          |               |
| *Disposal cap'cty impacts | 410.         | g       |      |       | 410.          | g            |     |          |               |
| Solid wastes              | 410.         | g       |      |       | 410.          | g            |     |          |               |

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Product: Water

Unit-of-Use: Press Speed 394 fpm Product Life: 6000 sq ft processed

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3. Pollution Generated per Unit-of-Use of product-by Pollution Category, Pollutant Class, and Pollutant for Overall Environment

| Pollution<br>Category      |            | Pollutant<br>Class    | Amount<br>Prevente | d<br> | Pollutant  | Amount<br>Prevented |        |
|----------------------------|------------|-----------------------|--------------------|-------|--|---------------------|--------|
| Human<br>Health<br>impacts | /<br> <br> | Toxic Inorganics      | 53.                | g     | Nitrogen oxides (NOx)<br>Sulfur oxides (SOx)             | 20.<br>33.          | g      |
|                            |            | Toxic Organics        | 6.8                | g     | Carbon monoxide  | 6.8                 | g      |
|                            | /          | Acid Rain Precursors  | 53.                | g     | Nitrogen oxides (NOx) Sulfur oxides (SOx)                | 20.<br>33.          | g      |
|                            |            | Corrosives            | 56.                | g     | Nitrogen oxides (NOx) Sulfur oxides (SOx) Sulfuric acid  | 20.<br>33.<br>2.5   | a<br>a |
| Use                        |            | Dissolved Solids      | 3.5                | g     | Dissolved solids Sulfuric acid                           | 1.0                 | a<br>a |
| impairment impacts         | <br>       | Global Warmers        | 8.0                | Kg    | Carbon dioxide<br>Nitrogen oxides (NOx)                  | 8.0<br>20.          | _      |
|                            |            | Odorants Particulates | 52.                | g     | Hydrocarbons   | 52.                 | g      |
|                            |            | Smog Formers          | 5.9<br>79.         | g     | Particulates   | 5.9                 | g      |
|                            |            | Smog Formers          | 19.                | 9     | Carbon monoxide<br>Hydrocarbons<br>Nitrogen oxides (NOx) | 6.8<br>52.<br>20.   | a<br>a |
| Disposal capacity impacts  | /          | Solid Wastes          | 410.               | g     | Solid wastes   | 410.                | g      |

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### POLLUTION GENERATED--SUMMARY REPORT FOR Use STAGE(S)

Product: UV

Unit-of-Use: Press Speed 500 fpm
Product Life: 6000 sq ft processed

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1. Pollution Generated per Unit-of-Use of product-- by Pollution Category and by Medium  $\,$ 

| Pollution prevented for: | All<br>Media | _  | Water | c<br> | Soil/<br>Grdwater | Air  |      | Indoor<br>Air |
|--------------------------|--------------|----|-------|-------|-------------------|------|------|---------------|
| Overall environment      | 18.          | Kg | 15.   | g     | 2.0 Kg            | 16.  | Kg ( |               |
| Human health impacts     | 230.         | g  |       |       |                   | 230. | g(   |               |
| Use impairment impacts   | 16.          | Kg | 15.   | g     |                   | 16.  | Kg(  |               |
| Disposal cap'cty impacts | 2.0          | Kg |       |       | 2.0 Kg            |      |      |               |

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### POLLUTION GENERATED--SUMMARY REPORT FOR Use STAGE(S)

Product: UV

Unit-of-Use: Press Speed 500 fpm
Product Life: 6000 sq ft processed

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2. Pollution Generated per Unit-of-Use of product-by Pollution Category, by Pollutant and by Medium

| Pollution prevented for:            | All<br>Media | _   | Wate | c<br> | Soil/<br>Grdwater | Ai:  |      | Indoor<br>Air |
|-------------------------------------|--------------|-----|------|-------|-------------------|------|------|---------------|
| *0                                  | 1.0          | T7  | 1.5  |       | 0.0 11            | 1.0  | TZ / |               |
| *Overall environment Carbon dioxide | 18.          | _   | 15.  | g     | 2.0 Kg            |      | ٠, ر |               |
|                                     | 16.          | Kg  |      |       |                   | 16.  | Kg ( |               |
| Carbon monoxide                     | 23.          | g   | 2 0  |       |                   | 23.  | g(   |               |
| Dissolved solids                    | 3.0          | g   | 3.0  | g     |                   | 0.0  | ,    |               |
| Hydrocarbons                        | 20.          | g   |      |       |                   | 20.  | g (  |               |
| Nitrogen oxides (NOx)               | 70.          | g   |      |       |                   | 70.  | g(   |               |
| Particulates                        | 27.          | g   |      |       |                   | 27.  | g (  |               |
| Solid wastes                        | 2.0          | g   |      |       | 2.0 Kg            |      |      |               |
| Sulfur oxides (SOx)                 | 140.         | _   |      |       |                   | 140. | g (  |               |
| Sulfuric acid                       | 12.          | g   | 12.  | g     |                   |      |      |               |
| *Human health impacts               | 230.         | g   |      |       |                   | 230. | g(   |               |
| Carbon monoxide                     | 23.          | g   |      |       |                   | 23.  | g (  |               |
| Nitrogen oxides (NOx)               | 70.          | g   |      |       |                   | 70.  | g(   |               |
| Sulfur oxides (SOx)                 | 140          | . g |      |       |                   | 140. | g (  |               |
| *Use impairment impacts             | 16.          | Kq  | 15.  | q     |                   | 16.  | Kg ( |               |
| Carbon dioxide                      | 16.          | Kg  |      | _     |                   | 16.  | Kg ( |               |
| Carbon monoxide                     | 23.          | đ   |      |       |                   | 23.  | g (  |               |
| Dissolved solids                    | 3.0          | a   | 3.0  | q     |                   |      |      |               |
| Hydrocarbons                        | 20.          | đ   |      | _     |                   | 20.  | g (  |               |
| Nitrogen oxides (NOx)               | 70.          | g   |      |       |                   | 70.  | _    |               |
| Particulates                        | 27.          | d   |      |       |                   | 27.  | g(   |               |
| Sulfur oxides (SOx)                 | 140.         | ď   |      |       |                   | 140. | g(   |               |
| Sulfuric acid                       | 12.          | g   | 12.  | g     |                   |      | ٠, ١ |               |
| *Disposal cap'cty impacts           | 2.0          | Kq  |      |       | 2.0 Kg            |      |      |               |
| Solid wastes                        | 2.0          | Kg  |      |       | 2.0 Kg            |      |      |               |

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### POLLUTION GENERATED -- SUMMARY REPORT FOR Use STAGE(S)

Product: UV

Unit-of-Use: Press Speed 500 fpm Product Life: 6000 sq ft processed

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3. Pollution Generated per Unit-of-Use of product by Pollution Category, Pollutant Class, and Pollutant for Overall Environment

| Pollution<br>Category |     | Pollutant<br>Class   | Amount<br>Prevented |    | Pollutant             | Amount<br>Prevented |    |
|-----------------------|-----|----------------------|---------------------|----|-----------------------|---------------------|----|
| Human                 | /   | Toxic Inorganics     | 210.                | g  |                       |                     |    |
| Health                |     |                      |                     |    | Nitrogen oxides (NOx) | 70.                 | g  |
| impacts               |     |                      |                     |    | Sulfur oxides (SOx)   | 140.                | g  |
|                       |     | Toxic Organics       | 23.                 | g  |                       |                     |    |
|                       | \   |                      |                     |    | Carbon monoxide       | 23.                 | g  |
|                       | /   | Acid Rain Precursors | 210.                | g  |                       |                     |    |
|                       |     |                      |                     |    | Nitrogen oxides (NOx) | 70.                 | g  |
|                       |     |                      |                     |    | Sulfur oxides (SOx)   | 140.                | g  |
|                       |     | Corrosives           | 220.                | g  |                       |                     |    |
|                       |     |                      |                     |    | Nitrogen oxides (NOx) | 70.                 | g  |
|                       |     |                      |                     |    | Sulfur oxides (SOx)   | 140.                | g  |
|                       |     |                      |                     |    | Sulfuric acid         | 12.                 | g  |
|                       |     |                      |                     |    |                       |                     |    |
|                       |     | Dissolved Solids     | 15.                 | g  |                       |                     |    |
|                       |     |                      |                     |    | Dissolved solids      | 3.0                 | g  |
| Use                   |     |                      |                     |    | Sulfuric acid         | 12.                 | g  |
| impairment            | - 1 | Global Warmers       | 16.                 | Kg |                       |                     |    |
| impacts               |     |                      |                     |    | Carbon dioxide        | 16.                 | Kg |
|                       |     |                      |                     |    | Nitrogen oxides (NOx) | 70.                 | g  |
|                       |     | Odorants             | 20.                 | g  |                       |                     |    |
|                       |     |                      |                     |    | Hydrocarbons          | 20.                 | g  |
|                       |     | Particulates         | 27.                 | g  |                       |                     |    |
|                       |     |                      |                     |    | Particulates          | 27.                 | g  |
|                       |     | Smog Formers         | 110.                | g  |                       |                     |    |
|                       |     |                      |                     |    | Carbon monoxide       | 23.                 | g  |
|                       |     |                      |                     |    | Hydrocarbons          | 20.                 | g  |
|                       | \   |                      |                     |    | Nitrogen oxides (NOx) | 70.                 | g  |
| Disposal              | /   | Solid Wastes         | 2.0                 | Kg |                       |                     |    |
| capacity<br>impacts   |     |                      |                     |    | Solid wastes          | 2.0                 | Kg |

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Product: UV

Unit-of-Use: Press Speed 340 fpm Product Life: 6000 sq ft processed

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1..Pollution Generated per Unit-of-Use of product- by Pollution Category and by Medium  $\,$ 

| Pollution prevented for: | All<br>Media | l<br> | Wate | r<br> | Soil/<br>Grdwater | Ai:  | c<br> | Indoor<br>Air |
|--------------------------|--------------|-------|------|-------|-------------------|------|-------|---------------|
| overall environment      | 27.          | Kg    | 22.  | g     | 2.9 Kg            | 24.  | Kg (  |               |
| Human health impacts     | 350.         | g     |      |       |                   | 350. | g (   |               |
| Use impairment impacts   | 24.          | Kg    | 22.  | g     |                   | 24.  | Kg (  |               |
| Disposal cap'cty impacts | 2.9          | Kg    |      |       | 2.9 Kg            |      |       |               |

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Product: UV

Unit-of-Use: Press Speed 340 fpm Product Life: 6000 sq ft processed

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## 2. Pollution Generated per Unit-of-Use of product-by Pollution Category, by $\hbox{Pollutant and by Medium}$

| Pollution prevented for:  | All<br>Media |    | Wate: | r<br> | Soil/<br>Grdwater | Ai:  | r<br> | Indoor<br>Air |
|---------------------------|--------------|----|-------|-------|-------------------|------|-------|---------------|
| *Overall environment      | 27.          | Kg | 22.   | q     | 2.9 Kg            | 24.  | Kg (  |               |
| Carbon dioxide            | 24.          | Kg |       | 3     |                   | 24.  | Kg (  |               |
| Carbon monoxide           | 33.          | g  |       |       |                   | 33.  | g(    |               |
| Dissolved solids          | 4.5          | g  | 4.5   | g     |                   |      | _     |               |
| Hydrocarbons              | 29.          | g  |       |       |                   | 29.  | g(    |               |
| Nitrogen oxides (NOx)     | 100.         | g  |       |       |                   | 100. | g(    |               |
| Particulates              | 40.          | g  |       |       |                   | 40.  | g(    |               |
| Solid wastes              | 2.9          | g  |       |       | 2.9 Kg            |      |       |               |
| Sulfur oxides (SOx)       | 210.         | g  |       |       |                   | 210. | g(    |               |
| Sulfuric acid             | 17.          | g  | 17.   | g     |                   |      |       |               |
| *Human health impacts     | 350.         | g  |       |       |                   | 350. | g(    |               |
| Carbon monoxide           | 33.          | g  |       |       |                   | 33.  | g(    |               |
| Nitrogen oxides (NOx)     | 4.5          | g  |       |       |                   | 100. | g(    |               |
| Sulfur oxides (Sox)       | 210.         | g  |       |       |                   | 210. | g (   |               |
| *Use impairment impacts   | 24.          | Kg | 22.   | g     |                   | 24.  | Kg (  |               |
| Carbon dioxide            | 24.          | Kg |       |       |                   | 24.  | Kg (  |               |
| Carbon monoxide           | 33.          | g  |       |       |                   | 33.  | g (   |               |
| Dissolved solids          | 4.5          | g  | 4.5   | g     |                   |      |       |               |
| Hydrocarbons              | 29.          | g  |       |       |                   | 29.  | g (   |               |
| Nitrogen oxides (NOx)     | 100.         | g  |       |       |                   | 100. | g (   |               |
| Particulates              | 40.          | g  |       |       |                   | 40.  | g (   |               |
| Sulfur oxides (SOx)       | 210.         | g  |       |       |                   | 210. | g (   |               |
| Sulfuric acid             | 17.          | g  | 17.   | g     |                   |      |       |               |
| *Disposal cap'cty impacts | 2.9          | Kg |       |       | 2.9 Kg            |      |       |               |
| Solid wastes              | 2.9          | Kg |       |       | 2.9 Kg            |      |       |               |

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Product: UV

Unit-of-Use: Press Speed 340
Product Life: 6000 sq ft processed

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3. Pollution Generated per Unit-of-Use of product by Pollution Category, Pollutant Class, and Pollutant for Overall Environment

| Pollution<br>Category      |            | Pollutant<br>Class   | Amount<br>Prevented |    | Pollutant  | Amount<br>Prevented |              |
|----------------------------|------------|----------------------|---------------------|----|--|---------------------|--------------|
| Human<br>Health<br>impacts | /<br> <br> | Toxic Inorganics     | 310.                | g  | Nitrogen oxides (NOx) Sulfur oxides (SOx)                | 100.<br>210.        | g<br>g       |
| Impacco                    |            | Toxic Organics       | 33.                 | g  | Carbon monoxide  | 33.                 | g            |
|                            | /          | Acid Rain Precursors | 310.                | g  | Nitrogen oxides (NOx)                                    | 100.                | g            |
|                            | 1          | Corrosives           | 330.                | g  | Sulfur oxides (SOx)                                      | 210.                | g            |
|                            |            |                      |                     |    | Nitrogen oxides (NOx) Sulfur oxides (SOx) Sulfuric acid  | 100.<br>210.<br>17. | a<br>a<br>a  |
|                            |            | Dissolved Solids     | 22.                 | g  | Dissolved solids Sulfuric acid                           | 4.5                 | g            |
| Use impairment impacts     |            | Global Warmers       | 24.                 | Kg | Carbon dioxide Nitrogen oxides (NOx)                     | 17.<br>24.<br>100.  | g<br>Kg<br>g |
|                            | <br>       | Odorants             | 29.                 | g  | Hydrocarbons   | 29.                 | g            |
|                            | 1          | Particulates         | 40.                 | g  | Particulates   | 40.                 | g            |
|                            |            | Smog Formers         | 170.                | g  | Carbon monoxide<br>Hydrocarbons<br>Nitrogen oxides (NOx) | 33.<br>29.<br>100.  | a<br>a       |
| Disposal capacity impacts  | /<br> <br> | Solid Wastes         | 2.9                 | Kg | Solid wastes   | 2.9                 | Kg           |

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